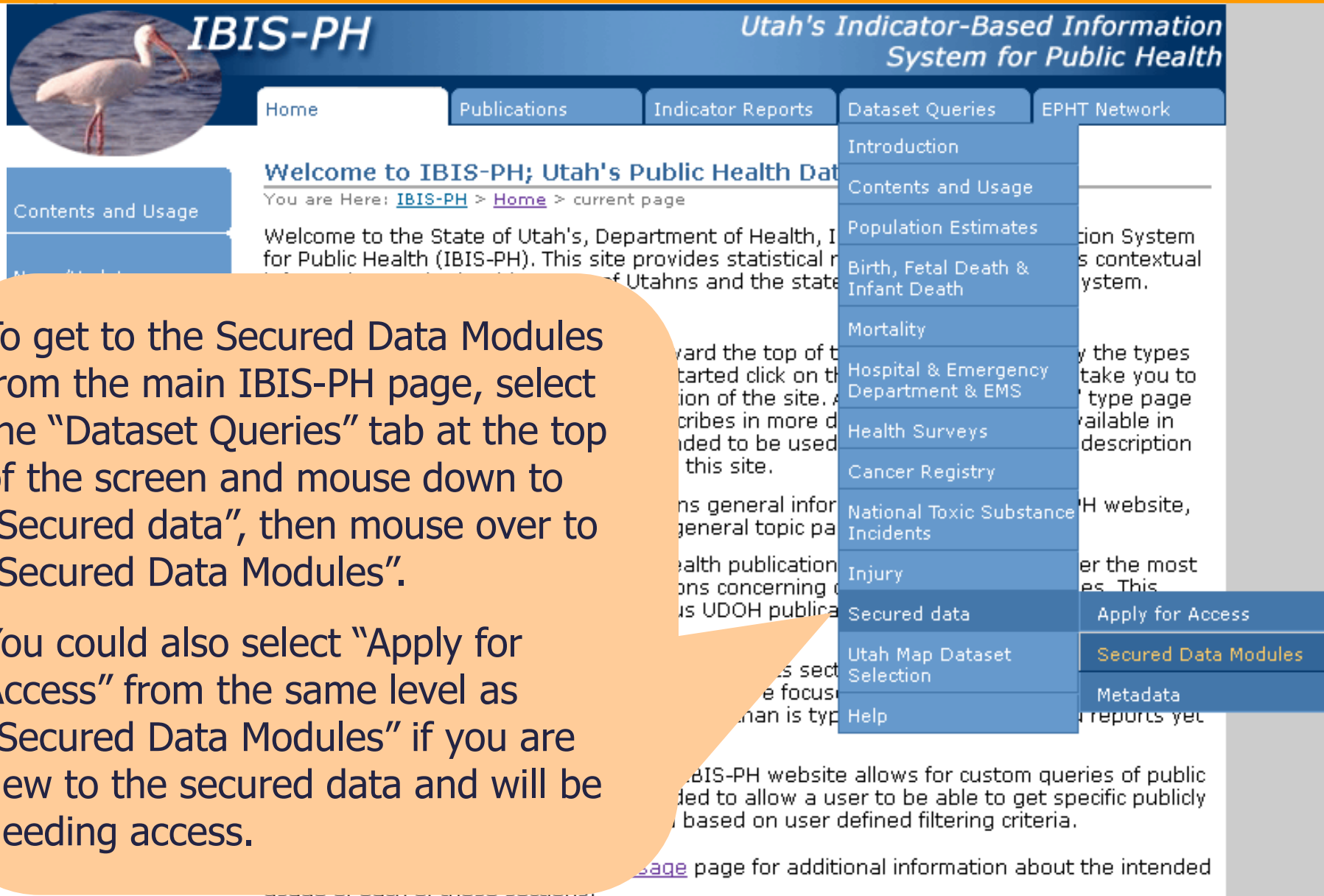


# IBIS-Q Tutorial: Secure Query Overview

<http://secure.health.utah.gov/ibisph-view/home>



The screenshot shows the IBIS-PH website interface. At the top, there is a header with the IBIS-PH logo (a pink bird) and the text "Utah's Indicator-Based Information System for Public Health". Below the header is a navigation bar with tabs: Home, Publications, Indicator Reports, Dataset Queries, and EPHT Network. The "Dataset Queries" tab is selected, and a dropdown menu is open, listing various data categories: Introduction, Contents and Usage, Population Estimates, Birth, Fetal Death & Infant Death, Mortality, Hospital & Emergency Department & EMS, Health Surveys, Cancer Registry, National Toxic Substance Incidents, Injury, Secured data, Utah Map Dataset Selection, and Help. The "Secured data" option is highlighted in orange. To the right of the dropdown menu, there is a sidebar with links: "Apply for Access", "Secured Data Modules", and "Metadata". The main content area displays a welcome message and a list of links for various data modules.

**IBIS-PH** Utah's Indicator-Based Information System for Public Health

Home Publications Indicator Reports Dataset Queries EPHT Network

Welcome to IBIS-PH; Utah's Public Health Data System

You are Here: [IBIS-PH](#) > [Home](#) > current page

Welcome to the State of Utah's, Department of Health, Indicator-Based Information System for Public Health (IBIS-PH). This site provides statistical information on a variety of Utahns and the state of Utah.

Contents and Usage

Introduction

Contents and Usage

Population Estimates

Birth, Fetal Death & Infant Death

Mortality

Hospital & Emergency Department & EMS

Health Surveys

Cancer Registry

National Toxic Substance Incidents

Injury

Secured data

Utah Map Dataset Selection

Help

Apply for Access

Secured Data Modules

Metadata

To get to the Secured Data Modules from the main IBIS-PH page, select the "Dataset Queries" tab at the top of the screen and mouse down to "Secured data", then mouse over to "Secured Data Modules".

You could also select "Apply for Access" from the same level as "Secured Data Modules" if you are new to the secured data and will be needing access.

IBIS-PH website allows for custom queries of public health data. The system is designed to allow a user to be able to get specific publicly available data based on user defined filtering criteria.

Page for additional information about the intended use of the system.

The "Secure Data Modules Selections" button on the Secure IBIS-PH home page takes you to the secure query system.

The screenshot shows the Utah Department of Health website interface. At the top, there is a navigation bar with the Utah.gov logo, a gear icon for 'UTAH.GOV SERVICES', and a search bar labeled 'Search all of Utah.gov'. Below this is a main navigation menu with links: Home | Health Services | A-Z List | FAQ | Data | About Us. The page title is 'Welcome to IBIS-PH; Utah's Secure Health Data Resource'. Below the title, a breadcrumb trail reads 'You are Here: secure ibis > [Home](#) > current page'. The main content area contains a welcome message: 'Welcome to the IBIS-PH Secure Query Site. This site is only setup for secure queries. Please click the left top navigation button back to the public IBIS-PH website for all non secure type web page requests.' In the left sidebar, there are two buttons: 'Return To Utah's Public IBIS-PH Website' and 'Secured Data Module Selections'. The 'Secured Data Module Selections' button is circled in orange, with an orange callout bubble pointing to it from the top of the page. At the bottom of the page, there is a footer section with contact information for the Center for Health Data, Utah Department of Health, Salt Lake City, UT 84114-2101, including telephone (801-538-9191), fax (801-538-9346), and email (chdata@utah.gov). The footer also includes a secondary navigation menu with links: Home, Contact Us, A-Z List, About Us, Use Disclaimer, and Privacy Policy. On the far left of the footer is the 'ENVIRONMENTAL PUBLIC HEALTH TRACKING' logo. The page is updated as of Fri, 23 Mar 2012 10:47:26 MDT.

Return To Utah's Public IBIS-PH Website

Secured Data Module Selections

Welcome to IBIS-PH; Utah's Secure Health Data Resource

You are Here: secure ibis > [Home](#) > current page

Welcome to the IBIS-PH Secure Query Site. This site is only setup for secure queries. Please click the left top navigation button back to the public IBIS-PH website for all non secure type web page requests.

Center for Health Data, Utah Department of Health, Salt Lake City, UT 84114-2101,  
Telephone: 801-538-9191, Fax: 801-538-9346, Email: [chdata@utah.gov](mailto:chdata@utah.gov)

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PUBLIC HEALTH TRACKING



UTAH.GOV SERVICES



AGENCIES

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UTAH DEPARTMENT OF  
**HEALTH**

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Selections](#)










[Help](#)

## [Click Here for Available Secured Data Modules Configuration Selection](#)

You are Here: [secure ibis](#) > [Secure IBIS-PH](#) > [Dataset Queries](#) > current page

[Click Here for Available Secured Data Modules](#)

 **Select the query population by County or Local Health District. For race, ethnicities and small areas, use Advanced Selection**

-  [Communicable Diseases](#)
-  [Census Tract Cancer Registry](#)
-  [Small Area Cancer Registry](#)
-  [Mortality by ZIP Code](#)
-  [Birth by ZIP Code](#)
-  [Birth Defect](#)
-  [Blood Lead Level](#)
-  [Inpatient Hospital Discharges by ZIP](#)
-  [ED Encounters by ZIP Code](#)

•Click on the gray box to bring up the list of available secure data sets to query.

•For the following examples, please select "Birth by ZIP Code".

Center for Health Data, Utah Department of Health  
Telephone: 801-538-9191, Fax: 801-538-9346, Email: [chdata@utah.gov](mailto:chdata@utah.gov)



ENVIRONMENTAL  
PUBLIC HEALTH TRACKING

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Updated: Fri, 2 Mar 2012 16:49:02 MST

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## Birth Query Module by ZIP Code Configuration Selection

You are Here: [secure ibis](#) > [Secure IBIS-PH](#) > [Dataset Queries](#) > current page

### Overview

#### Overview

Click on either the Quick Selection or Advanced Selection area to view the query-builder options available. Use the hierarchical folder tree to navigate to the specific query-builder options you need. To see folder contents, click on the folder icon. To see the contents of the folder, click on the folder icon. When you click on the folder icon, a pop-up window will appear showing the folder contents. When you click on the folder icon, a pop-up window will appear showing the folder contents. When you click on the folder icon, a pop-up window will appear showing the folder contents.

### Quick Selection (Click here for most commonly used measures)

Select from this list to query births from 1989 and later by ZIP. For small areas and county race parameters, use public site.

- [Birth Count](#)
- [Prenatal Care](#)
- [Infant Birth Weight](#)
- [Pre-term Births](#)

### Advanced Selection (Click here for Small Area, Medicaid, Race)

- [ZIP Code, 1989-present](#)
- [ZIP by Mother's Race and Medicaid Status, 2002-present](#)

All available query-builder options are accessible under the "Advanced Selection" area.

Common query-builder options are accessible under the "Quick Selection" area.

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IBIS-PH Website](#)[Introduction](#)[Contents and Usage](#)[Secured Data Module  
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## Birth Query Module by ZIP Code Configuration Selection

You are Here: [secure ibis](#) > [Secure IBIS-PH](#) > [Dataset Queries](#) > current page

### Overview

#### Overview


Click on either the Quick Selection or Advanced Selection bar to see a list of measures available. Use the hierarchical folder tree to navigate to the query module that will meet your needs. To see folder contents, click on the folder icon. Clicking on the folder again will hide the menu folder contents. When you click on the text link, it will take you to the query module. For further explanation on the modules, click on the "Help" icon.

#### Quick Selection (Click here for most commonly used measures)

Select from this list to query births from 1989 and forward by county race parameters, use public site.

 [Birth Count](#) [Count](#) [Prenatal Care](#) [Infant Birth Weight](#) [Pre-term Births](#)

#### Advanced Selection (Click here for Small Area, Medicaid, Race)

 [ZIP Code, 1989-present](#) [ZIP by Mother's Race and Medicaid Status, 2002-present](#) [Trend Analysis, ZIP Code, 1989-present](#)

In this example, we have selected Count.


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Definition](#)
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## Utah Department of Health IBIS Query System, Data Use Agreement

The data and information provided through the IBIS-PH Query System are intended to support any individuals or entities engaged in activities designed solely to enhance the well-being of a specific community, which may include any part of Utah. Activities include informing evidence-based decision making, improve health care, improve service delivery, evaluate health care, and other activities that support public health decisions. Other uses are not permitted.

### As an IBIS-PH Query System user, I agree to:

1. Use the data for statistical reporting only.
2. Avoid any attempt to identify individual(s) represented in the IBIS-PH query system data.
3. Avoid disclosure or use of the identity of any individual(s) discovered inadvertently.
4. Avoid linkage of IBIS-PH query system data with other data that, after linkage, might allow identification of an individual represented in the IBIS-PH query system data.
5. Use appropriate safeguards to prevent the inappropriate use or disclosure of individual(s) represented in the data, including when disclosing IBIS-PH Query System data to others.
6. Report IMMEDIATELY any inadvertent or intentional identity disclosures or violations of this agreement of which I become aware to the Director of the Center for Public Health Data.

I understand that any unauthorized use, disclosure, or violation of this agreement, including in loss of access to UDHS data, may result in civil or criminal penalties. Any intentional use, release, or publication of information in violation of the provisions stated is a class B misdemeanor, with subsequent violations being class A misdemeanors punishable by a fine of up to \$5,000 per violation (Chapter 23, Title 26, Utah Code Annotated). If I am a Utah state government employee, this may be grounds for immediate dismissal.

You must agree to the "Data Use Agreement" before you can start your query.

Please read through the text before hitting the "I Agree" button.

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Secured Data Module  
Selections

Query Result

Default Query Builder  
Definition

XML View

## Query Builder for Birth Query Module by Zip Code, Statewide - Count

You are Here: [secure ibis](#) > [IBIS-PH](#) > [Dataset Queries](#) > [Birth](#) > current page

Step: 1. | 2. | **3.** | 4. | 5. | 6. | 7. | 8. | Finish

### Overview

#### Overview

The birth data in this IBIS-Q query module comes from the Utah Department of Health database. The population data used for the denominator is from the Utah Department of Planning and Budget, and are considered

#### Getting Started

Follow the steps to narrow your query and display your query, click "Submit" bottom of the screen

Step 1: Select year ( Year: 2009. )

Step 2: Select mother's age group ( Mother's age group: )

**First choose a coding scheme to use for age groups.**

☒ Maternal age groups (Under 15, 15-17 yrs, 18-19 yrs, 20-24 yrs, 25-29 yrs, 30-34 yrs, 35-39 yrs, 40-44 yrs, 45-49 yrs, 50+)

All age groups  
Under 15 yrs  
15-17 yrs  
18-19 yrs  
20-24 yrs  
25-29 yrs

☐ Enter custom age group

**Step 3: Select mother's characteristics ( Mother's Education (2009 and after): All Education Levels. )**

**Select other characteristics of the mother that you would like to include in your analysis. The default is all characteristics.**

- Users build their query by clicking on steps and making selections.

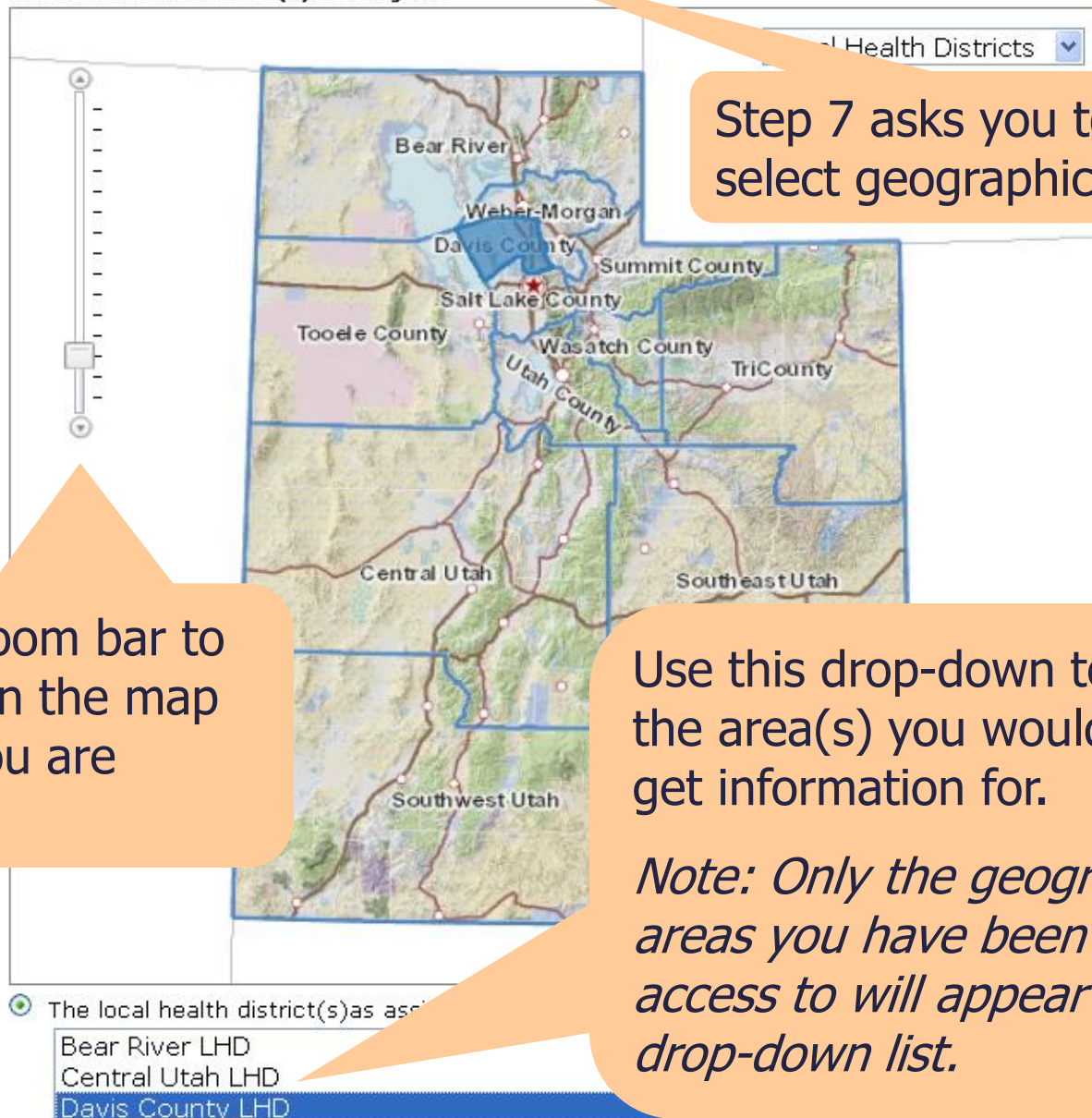
- Default values for that step are described below the gray bars, and pre-selected within the step.

- At each step, you can select how you want to group values (e.g., "Maternal age groups"), and whether you want to filter the data to certain values (e.g., "Infant sex").



***The local health district(s) as assigned***

Local Health Districts



☒ The local health district(s) as assigned

- Bear River LHD
- Central Utah LHD
- Davis County LHD

☐ ZIP Code

Step 7 asks you to select geographic area.

You can use the zoom bar to zoom in and out on the map to find the area you are interested in.

Use this drop-down to select the area(s) you would like to get information for.

*Note: Only the geographic areas you have been given access to will appear in this drop-down list.*



Return To Utah's Public  
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Secured Data Module  
Selections

Query Result

Default Query Builder  
Definition

XML View

ZIP Code

*Drill down to the des...*

- ☒ 840--
  - ☐ 84010 BOUNTIFUL
  - ☐ 84011 BOUNTIFUL
  - ☐ 84014 CENTERVILLE
  - ☐ 84015 CLEARFIELD
  - ☐ 84016 CLEARFIELD
  - ☐ 84025 FARMINGTON
  - ☐ 84037 KAYSVILLE
  - ☐ 84040 LAYTON
  - ☐ 84041 LAYTON
  - ☐ 84054 NORTH SALT LAKE
  - ☐ 84056 HILL AFB
  - ☐ 84075 SYRACUSE
  - ☐ 84087 WOODS CROSS
- ☒ 844--
  - ☐ 84405 OGDEN
  - ☐ 84407 OGDEN (DEFENSE DEPOT)
  - ☐ 84408 OGDEN (WSU)
  - ☐ 84409 OGDEN(PO BOX)
  - ☐ 84412 OGDEN(PO BOX)

Step 8: Select how to display the results

Finish: Submit the defined query

 **Submit**

 **Reset**

Once you have selected the geographic area you are interested in, you can then go in and filter by ZIP code.

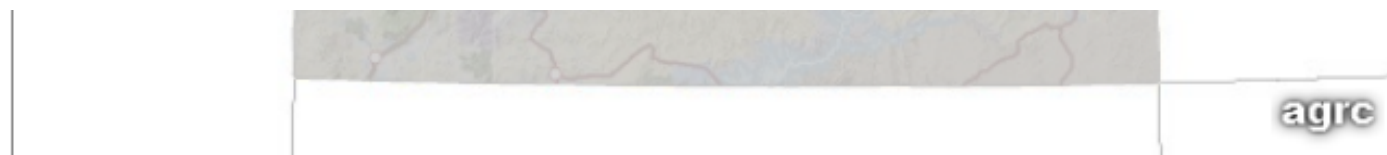
*Note: As with the geographic areas , only the ZIP codes in the areas you have been given access to will appear in this drop-down list.*



Query Result

Default Query Builder  
Definition

XML View



☒ The local health district(s) as assigned

Davis County LHD

☐ ZIP Code

Step 8: Select how to display the results

***Specify how to display the numerical data values.***

	Column Values Grouped By:
	None
Row Values Grouped By:	
ZIP codes	Count data values

***Chart Graphic Type:***

The last step asks how you would like to display your results. To see a map on your results page, select "ZIP codes". If you do not select this, you will not see a map on your results page.

You may choose up to two "cross variables," that define the rows and columns in your results table.

Default Query Builder  
Definition

XML View

☒ The local health district(s) as assigned

Davis County LHD

☐ ZIP Code

Step 8: Select how to display the results

**Specify how to display the numerical data values.**

Column Values Grouped By:

None

Row Values Grouped By:

ZIP codes

**Chart Graphic Type:**

None

None

Vertical Bar

Horizontal Bar

Stacked Vertical Bar

Area

Stacked Area

Pie

Line

Agrc Map

You also have the option to select a graph type. If you would like to see a map on your results page, scroll down and select "Agrc Map".

Hit submit when you're satisfied with your selections.



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Your selections are documented at the top of the results page.

Query Definition

Default Query Result

Query Dataset  
Configuration Selection

Graphical Charts

Output to Excel

## Query Results for Birth Query Module

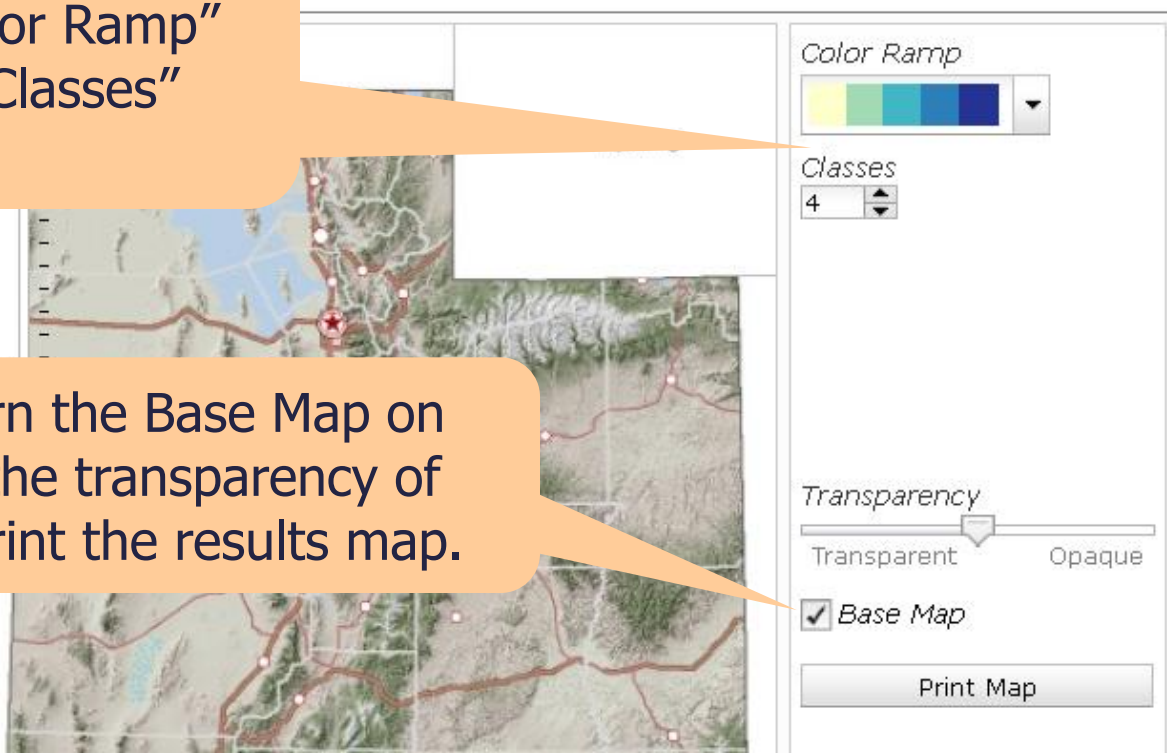
You are Here: [secure ibis](#) > [IBIS-PH](#) > [Dataset Queries](#) >

### Query Criteria for the Count Measure

<b>Year Filter:</b>	2009
<b>Resident Filter:</b>	All live births to Utah resident mothers regardless of where they occurred
<b>Birth Residence Local Health District Filter:</b>	Davis County LHD
<b>Data Grouped By:</b>	ZIP codes
Map	

From the results page you can use change the "Color Ramp" and the "Classes". "Classes" range from 2-5.

You can also turn the Base Map on and off, adjust the transparency of the map, and print the results map.



**Color Ramp**

**Classes**

4

**Transparency**

Transparent Opaque

☒ Base Map

Print Map

Query Definition

Default Query Result

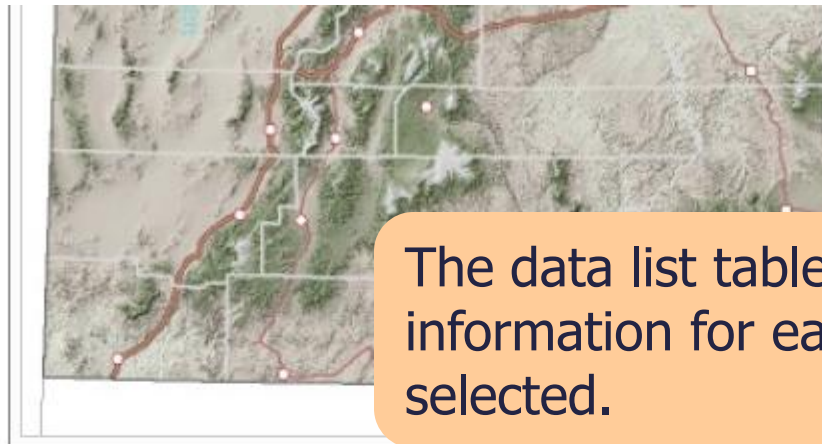
Query Dataset  
Configuration Selection

Graphical Charts

Output to Excel

XML View

SAS Result



Print Map

The data list table provides detailed information for each subgroup you selected.

#### Data List

ZIP codes	Count
All	6,072
84010	793
84011	1
84014	248
84015	1,319
84016	1
84018	1
84025	355
84031	1
84037	591

Query Definition
Default Query Result
Query Dataset Configuration Selection
Graphical Charts
Output to Excel
XML View
SAS Result

84105	2
84107	1
84116	1
84123	1
84150	
84187	
84315	
84320	
84401	2
84405	109

Meta data (information about the data) are provided at the bottom of the results page.

*Record Count: 33*

#### Data Notes

Count of all live births in given population and time period.

#### Data Sources

Utah Birth Certificate Database, Office of Vital Records and Statistics, Utah Department of Health

#### Data Issues

Birth certificates are filed electronically by hospital birth certificate clerks. The information comes from a variety of sources including a worksheet the mother fills out, the mother's prenatal record, and the delivery record. The Office of Vital Records and Statistics has a Quality Control program where every hospital is audited annually. Births are randomly selected and hospital records are checked to verify the accuracy of the reported information.

#### Time of Query

These data were queried on: Wed, 5 Sep 2012 13:40:36 MDT

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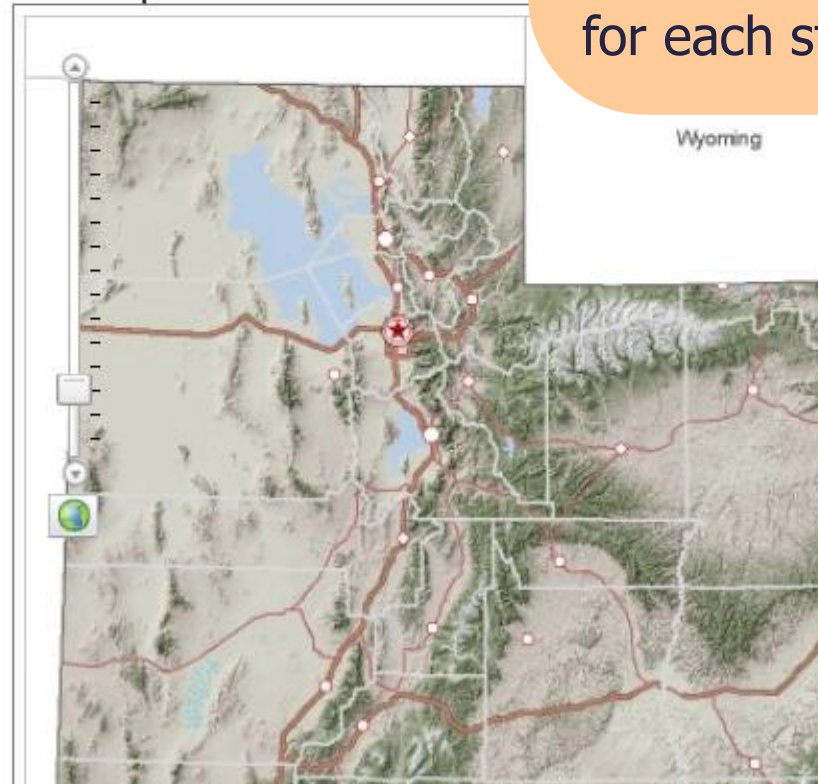
## Query Results for Birth Query

You are Here: [secure ibis](#) > [IBIS-PH](#) > [Database](#)

### Query Criteria for the County

<b>Year Filter:</b>	occurred
<b>Resident Filter:</b>	
<b>Birth Residence Local Health District Filter:</b>	Davis County
<b>Data Grouped By:</b>	ZIP codes
<b>Data Chart:</b>	Aggr. Map

### Count by ZIP codes



The floating tool bar on the left provides several options. “Query Definition” takes you back to the query builder page in case you want to adjust an aspect of your query.

“Default Query Result” gives you the result using the default values for each step of the query.

Classes

4

Transparency

Transparent

Opaque

☒ Base Map

Print Map



- Query Definition
- Default Query Result
- Query Dataset Configuration Selection
- Graphical Charts
- Output to Excel
- XML View
- SAS Result

## Query Results

You are Here: section

### Query Criteria

Year 2014

Resident Filter:

All live births to Utah resident mothers regardless of where they occurred

Vertical Bar

istrict

Davis County LHD

Horizontal Bar

Stacked Vertical Bar

:

ZIP codes

Area

:

None

Stacked Area

Pie

Line

Agrc Map

“Graphical Charts” allows you to easily select a different type of graph display for your results.

84014

793

84015

1

84016

248

84018

1,319

84025

1

84031

1

84037

355

84040

1

591

275

## Query Results for Birth Query Module by Zip Code, Statewide

You are Here: [secure ibis](#) > [IBIS-PH](#) > [Dataset Queries](#) > [Birth](#) > [Query Builder](#) > current page

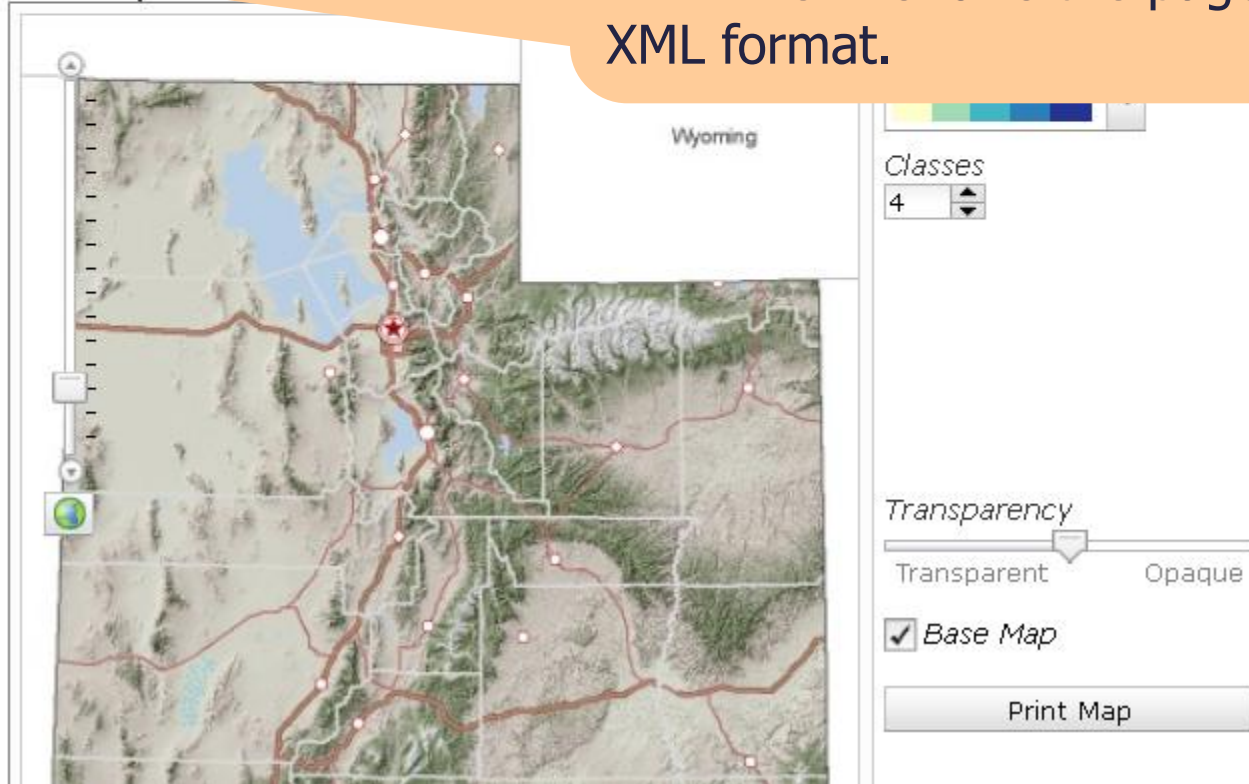
### Query Criteria for the Count Measure

<b>Year Filter:</b>	2009
<b>Resident Filter:</b>	All live births to Utah resident mothers regardless of where they occurred
<b>Birth Residence Local Health District Filter:</b>	Davis County LHD
<b>Data Grouped By:</b>	ZIP codes
<b>Data Chart:</b>	Aggr Map

“Output to Excel” allows you to transfer your results to excel.

“XML View” shows the page in XML format.

### Count by Zip


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[Default Query Result](#)
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[Graphical Charts](#)
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## Secure IBIS-PH Custom Query Introduction

You are Here: [secure ibis](#) > [Secure IBIS-PH](#) > [Dataset Queries](#) > current page

Welcome to the Secure IBIS-PH interactive query system. This system allows public health professionals and researchers who have been granted access to query secured public health datasets directly. The information is intended to support evidenced-based decision making in Utah. Public health professionals can use the data to monitor health status and develop appropriate health programs and interventions. Researchers can use the data to conduct scientific studies relevant to public health and the environment.

### Getting Started

Follow these basic steps to query a secured dataset:

1. Click the **HELP** button at the top left of the page to display the available data modules to which you have been granted access.
2. Select the secured data module you would like to query.
3. Follow the steps to build your query.
4. When you are done building your query, click "Submit Query" in the last step to get your results.

### User Help

Use the [HELP](#) button at the left for information, instructions, and examples. Help buttons throughout the query modules also provide information necessary to make specific query-related selections.

See the [IBIS-PH Query System Tutorials](#) to view the list of tutorials available.

By default, the IBIS-PH system delivers JPEG type chart and map graphics to be displayed by your browser. If you want to have interactive charts and maps or if you are experiencing problems displaying charts and maps see the [IBIS-PH Graphic Display Preference](#) page for options and more information.

Center for Health Data, Utah Department of Health, Salt Lake City, UT 84114-2101,  
Telephone: 801-538-9191, Fax: 801-538-9346, Email: [chdata@utah.gov](mailto:chdata@utah.gov)

Selecting Help will bring you to a page where you can find various resources and helpful links for further information on a variety of topics.